

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

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Arnoldus Nicholas VERMEULEN

Serial Number: To be assigned      Group Art Unit: To be assigned

Filed: Concurrently herewith      Examiner: To be assigned

For: COCCIDIOSIS VACCINES

Corresponding to: USSN 09/749,233, filed December 27, 2000

**INFORMATION DISCLOSURE STATEMENT**  
**PURSUANT TO 37 CFR 1.97(b)**

Commissioner of Patents  
Alexandria, VA 22313

November 26, 2003

Sir:

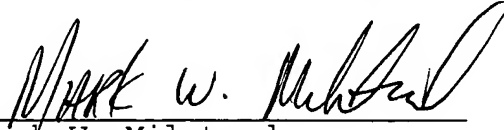
The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449. These references were cited in the parent application USSN 09/411,578, and thus no copies are enclosed.

No fee or certification is required in connection with this Information Disclosure Statement, since it is being submitted prior to the last of (1) issuance of a first official action on the merits and (2) expiration of the three month period following filing of the above-captioned application.

The above information is presented so that the Patent and Trademark Office can determine any materiality thereof to the claimed invention. It is respectfully requested that the information be considered during the prosecution of this application and that the cited documents be listed on the front page of any patent issuing from this application.

The Patent Office is authorized to charge our Deposit  
Account No. 02-2334 for any fee which it deems to be required to  
effect consideration of this statement.

Respectfully submitted,



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INFORMATION DISCLOSURE CITATION  PTO-1449	Attorney Docket No.	Serial No.
	I/98407/US D2	To be assigned
	Applicant SCHAAP ET AL.	
	Filing Date	Group
	November 26, 2003	To be assigned

### U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

### FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Translation
	AJ	0 872 486	10/22/98	EP	
	AK				
	AL				
	AM				
	AN				
	AO				
	AP				
	AQ				

### OTHER DOCUMENTS

	AR	HOUGHTEN ET AL: Vaccines, 1986, Edited by Fred Brown: Cold Spring Harbor Laboratory
	AS	BOWIE ET AL: Science, Vol. 247; 1990; p. 1306; p. 1308
	AT	
	AU	
	AV	
Examiner		Date Considered

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	Filing Date  November 26, 2003	Group  To be assigned

### U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	5789233	08-04-98	Vermeulen et al.			
	AB	5792644	08-11-98	Vermeulen et al.			
	AC	5670362	09-23-97	Vermeulen et al.			
	AD	5780289	07-14-98	Vermeulen et al.			
	AE	5925347	07-20-99	Vermeulen et al.			

### FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Translation
	AF	330158	07-28-98	NZ	
	AG	0 838 522	04-29-98	EP	
	AH	0 324 648	07-19-89	EP	

### OTHER DOCUMENTS

	AI	H.D. DANFORTH ET AL., "Genetically Engineered Antigen Confers Partial Protection Against Avian Coccidial Parasites," POULTRY SCIENCE, vol. 68, 1989, pages 1643 - 1652
	AJ	Y.D. KARKHANIS ET AL., "Purification and Characterization of a Protective Antigen from Eimeria Tenella," INFECTION AND IMMUNITY, vol.59, no.3, March 1991, pages 983 - 989
	AK	D. PURDY ET AL., "Cloning, Nucleotide Sequence and Characterization of a Gene Encoding Superoxide Dismutase from Campylobacter Jejuni and Campylobacter Coli," MICROBIOLOGY, vol. 140, May 1994, pages 1203 - 1208
	AL	M.C. JENKINS ET AL., " cDNA Encoding an Immunogenic Region of a 22kilodalton Surface Protein of Eimeria Acervulina Sporozoites," MOLECULAR AND BIOCHEMICAL PARASITOLOGY, vol. 32, 1989, pages 153 - 162
	AM	J. RAINIE ET AL., "Cloning of the Triosephosphate Isomerase Gene of Plasmodium Falciparum and Expression in Escherichia Coli," MOLECULAR AND BIOCHEMICAL PARASITOLOGY, vol. 61, no. 2, 1993, pages 159 - 169
	AN	D. DESHAZER ET AL., "Characterization of the Gene Encoding Superoxide Dismutase of Bordetella Pertussis and Construction of a SOD-deficient Mutant," GENE, vol. 142, 1994, pages 85 - 89
	AO	YOO-SHICK LIM ET AL., "The Thiol-specific Antioxidant Protein from Human Brain: Gene Cloning and Analysis of Conserved Cysteine Regions," GENE, vol. 140, 1994, pages 279 - 284
	AP	P. BECUWE ET AL., "Characterization of Iron-dependent Endogenous Superoxide Dismutase of Plasmodium Falciparum," MOLECULAR AND BIOCHEMICAL PARASITOLOGY, vol. 76, 1996, pages 125 - 134
		Date Considered